

WHAT IS CLAIMED IS:

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Sub a 7
1. A tamper indicating closure comprising:
 - a. a top portion;
 - b. an annular depending skirt extending from said top portion, said depending skirt having an internal thread configuration adapted for engaging an external thread configuration on the neck portion of said container by either snap on application or screw on application of said closure to said container neck;
 - c. an annular valve depending from top portion in spaced relation to said depending skirt; and
 - d. a tamper indicating ring connected to said depending skirt by at least one circumferentially located frangible element.
 2. The tamper indicating closure of Claim 1, wherein said tamper indicating ring includes at least one annularly spaced elevated bridge portion extending axially towards said depending skirt, wherein said at least one elevated bridge portion define an area of decreased ring spacing from said depending skirt.
 3. The tamper indicating closure of Claim 2, further comprising a plurality of said frangible elements and said elevated bridge portions, wherein said frangible elements are connected to said depending skirt between said elevated bridge portions.

4. The tamper indicating closure of Claim 3, wherein said frangible elements are connected to said depending skirt from and between said elevated bridge portions.

5. The tamper indicating closure of Claim 3 wherein said elevated bridge portions extending from said annular ring are of a known vertical height, and said frangible elements are of a height greater than that of said known height of said elevated bridge portions.

6. The tamper indicating closure of Claim 4 wherein said elevated bridge portions extending from said annular ring are of a known vertical height, and said frangible elements are of a height greater than that of said known height of said elevated bridge portions.

7. The tamper indicating closure of Claim 1, wherein said container neck contains at least one lug configured for engaging said frangible element(s) to disconnect said closure from said tamper evident band upon twist-off removal of said closure from said container neck.

8. The tamper indicating closure of Claim 6, wherein said container neck contains at least one lug configured for engaging said frangible element(s) to disconnect said closure from said tamper evident band upon twist-off removal of said closure from said container neck.

9. The tamper indicating closure of Claim 1, wherein said annular valve includes at least one annular sealing bead extending around at least a portion of the circumference of said

valve and being configured for engagement with the interior surface of said container neck finish.

10. The tamper indicating closure of Claim 8, wherein said annular valve includes at least one annular sealing bead extending around at least a portion of the circumference of said valve and being configured for engagement with the interior surface of said container neck finish.

11. The tamper indicating closure of Claim 1, wherein said annular depending skirt includes at least one annular sealing bead extending around at least a portion of the circumference of said skirt and being configured for engagement with the exterior surface of said container neck finish.

12. The tamper indicating closure of Claim 10, wherein said annular depending skirt includes at least one annular sealing bead extending around at least a portion of the circumference of said skirt and being configured for engagement with the exterior surface of said container neck finish.

13. The tamper indicating closure of Claim 11, wherein at least one said one annular sealing bead engages a sealing bead on the exterior of said container neck finish.

14. The tamper indicating closure of Claim 11, wherein at least one said one annular sealing bead engages a sealing groove on the exterior of said container neck finish.

15. The tamper indicating closure of Claim 12, wherein at least one said one annular sealing bead engages a sealing bead on the exterior of said container neck finish.

16. The tamper indicating closure of Claim 12, wherein at least one said one annular sealing bead engages a sealing groove on the exterior of said container neck finish.

17. The tamper indicating closure of Claim 1, wherein said thread configurations contain eight or nine circumferentially spaced individual thread leads.

18. The tamper indicating closure of Claim 12, wherein said thread configurations contain eight or nine circumferentially spaced individual thread leads.

19. The tamper indicating closure of Claim 17, wherein said thread leads are segmented.

20. The tamper indicating closure of Claim 18, wherein said thread leads are segmented.

Sub a²⁷

21. The tamper indicating closure of Claim 1, wherein said tamper indicating ring includes at least one arcuate projection extending around at least a portion of said tamper indicating ring arranged for registration with a container neck portion on which said closure is positioned.

Sub B³⁷

22. The tamper indicating closure of Claim 21, wherein at least one said arcuate projection comprises a locking member extending radially inward from said tamper indicating ring at an angle to a plane normal with said tamper indicating ring.

Sub a³⁷

23. The tamper indicating closure of Claim 21, wherein said closure includes at least one member attached to said tamper-indicating ring which cooperates with at least one said arcuate projection to assist in breaking said tamper indicating ring during removal of said closure from said container neck.

24. The tamper indicating closure of Claim 23, wherein at least one said arcuate projection is held in place by an annular locking flange on said container neck as said member is pulled away from said arcuate projection by twist-off removal of said annular depending skirt to cause said tamper indicating ring to break at a weakened area.

add a⁴⁷